S
553.28
O1S
V 22 NO 7
JUL 1974

ELVED WITH
RIODICALS

Montana State Library
3 0864 1006 0323 5

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

DONALD E. CHISHOLM, ADMINISTRATOR
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, ATTORNEY
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, CHAIRMAN
1822 N. 27TH STREET
BILLINGS, MONTANA 59101

C.J. IVERSON, VICE CHAIRMAN
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BLDG.
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXII, No. 7 **July, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1974, averaged 92,103 barrels daily, a decrease of 2,528 barrels from the average 94,631 production in June.

The nine refineries in the state processed 141,884 barrels of crude oil daily for the month of July, 1974, an increase of 137 barrels from the 141,747 barrels processed daily during the month of June.

During July, 53 well were completed, 4 oil, 11 gas and 38 dry holes.

During July, the Board issued 108 permits to drill new wells, an increase of 13 from the 95 permits issued during June.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JULY, 1974

IN STORAGE JULY 1st	
By Producers	347,688
By Transporters	1,287,735
By Refiners	1,350,781
TOTAL STORAGE	2,986,204
Produced in Montana During Month	2,855,193
Imported During Month	3,562,656
TOTAL	9,404,053
DISPOSITION:	
Refined in Montana	4,398,411
Exported	2,258,522
Used for Fuel or Lost	6,594
TOTAL	6,663,527
IN STORAGE JULY 31st	
By Producers	326,713
By Transporters	1,201,052
By Refiners	1,212,761
TOTAL STORAGE	2,740,526

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of July, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	36,953
Black Coulee	13,131
Blackjack	9,600
Bowdoin	374,440
Bowes	6,510
Cedar Creek	152,322
Cut Bank (including Reagan)	125,267
Dry Creek	7,704
Ethridge	12,606
Flat Coulee	4,344
Grandview	3,822
Hardin	3,309
Keith Block	17,504
Kevin Sunburst	21,554
Kicking Horse	8,048
Lake Basin	47,296
Liscom Creek	47,854
Middle Butte	1,111
Mt. Lilly	2,116
Plevna	1,084
South Devon	11,476
Shepard	149,521
Tiger Ridge	1,672,951
Trail Creek	1,483
Utopia	—0—
West Butte	2,865
Whitlash	14,303
ASSOCIATED:	
Bell Creek	19,642
Brush Lake	278
Cabin Creek	61,909
Elk Basin	44,665
Fairview	55,972
Fred & George Creek	2,310
Pine	47,981
Richland	55,827
Tule Creek	14,355
TOTAL	3,052,113

Total Withdrawals for July, 1973, were 3,887,687

PRODUCERS REPORT — MONTH OF JULY, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	24	705	----------	616	----------	113
1	Bainville	1	1,977	2,070	----------	1,534	----------	2,513
4	Bannatyne	4	----------	844	844	----------	----------	----------
5	Bear's Den	6	1,329	957	----------	1,100	----------	1,186
18	Bell Creek	230	23,976	767,052	770,642	----------	----------	20,386
1	Benrud	1	449	1,277	----------	1,206	----------	520
3	Benrud East	3	1,912	11,489	----------	11,622	----------	1,779
1	Benrud Northeast	1	918	1,613	----------	1,715	----------	816
1	Berthelote	1	480	103	415	----------	----------	168
5	Big Wall	15	1,560	5,097	5,085	----------	----------	1,572
4	Blackfoot	5	599	1,662	2,037	----------	----------	224
2	Border	6	2,878	609	----------	810	----------	2,677
1	Bowes	52	4,847	9,845	10,658	----------	----------	4,034
1	Bradley	1	96	474	397	----------	----------	173
4	Brorson-Madison	4	1,254	2,510	----------	2,977	----------	787
5	Brorson-Red River	5	7,548	4,170	----------	4,934	----------	6,784
3	Brorson-Red River South	3	2,832	7,102	----------	7,015	----------	2,919
6	Brush Lake	6	1,518	12,817	12,400	----------	----------	1,935
1	Burns Creek	1	658	871	----------	1,399	----------	130
2	Cabin Creek	85	----------	188,428	188,428	----------	----------	----------
1	Canal	1	817	4,672	----------	4,334	----------	1,155
9	Cat Creek	39	2,425	11,102	11,477	----------	----------	2,050
1	Chelsea Creek	1	285	286	----------	209	----------	362
1	Clark's Fork	1	59	98	----------	----------	----------	157
1	Clark's Fork South	1	155	813	----------	836	----------	132
2	Cow Creek	2	319	101	----------	255	----------	165
4	Cow Creek East	5	444	15,216	----------	15,218	----------	442
1	Culbertson	1	273	470	----------	568	----------	175
7	Cupton	7	3,945	7,570	5,409	868	----------	5,238
126	Cut Bank	836	57,625	281,594	239,763	41,533	463	57,460
---	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	460	1,059	915	----------	----------	604
1	Delphia	1	270	436	----------	506	----------	200
1	Devil's Basin	1	689	168	----------	190	----------	667
2	Dwyer	10	4,894	8,490	9,213	----------	----------	4,171
3	Elk Basin	51	639	115,676	115,665	----------	----------	650
5	Elk Basin Northwest	8	1,514	4,217	3,950	----------	----------	1,781
5	Fairview	9	8,430	26,848	13,335	14,444	----------	7,499
2	Fertile Prairie	2	1,036	853	----------	889	----------	1,000
5	Flat Coulee	21	3,211	10,629	10,836	----------	----------	3,004
36	Flat Lake	52	3,878	57,128	56,903	----------	----------	4,103
6	Flat Lake South	6	748	6,814	6,821	----------	----------	741
1	Four Buttes	1	290	45	----------	305	----------	30
1	Ft. Gilbert	1	530	7,302	7,023	----------	----------	809
1	Frannie	1	----------	660	660	----------	----------	----------
7	Fred & George Creek	26	3,949	5,412	6,693	----------	----------	2,668
1	Froid South	1	393	670	----------	411	----------	652
1	Gage	1	73	230	----------	165	----------	138
3	Gas City	16	5,849	21,547	11,845	8,023	----------	7,528
1	Girard	1	1,018	1,110	----------	717	----------	1,411
10	Glendive	14	2,056	22,952	23,491	----------	----------	1,517
10	Goose Lake	27	3,880	23,951	25,037	----------	----------	2,794
12	Graben Coulee	31	10,529	16,348	13,931	2,615	----------	10,331
2	Gypsy Basin	2	----------	1,178	----------	1,178	----------	----------
1	Hay Creek-Mission Canyon	1	50	1,550	1,441	----------	----------	159
1	Hay Creek-Red River	1	591	5,025	5,101	----------	----------	515
4	Hiawatha	4	2,282	5,604	5,277	----------	----------	2,609
1	Hibbard	1	414	173	----------	191	----------	396
---	Injun Creek	----------	266	----------	----------	----------	----------	266
4	Ivanhoe	10	1,768	3,216	3,395	----------	----------	1,589
2	Jim Coulee	17	3,433	38,648	38,483	----------	----------	3,598
10	Key Coulee	21	5,560	10,642	10,632	----------	92	5,478
2	Keg Coulee North	2	1,099	2,069	2,483	----------	----------	685
1	Kelley	3	851	3,561	3,589	----------	----------	823
82	Kevin Sunburst	454	11,366	24,077	22,087	1,536	9	11,811
9	Laird Creek	11	730	2,708	957	1,757	----------	724
1	Landslide Butte	2	906	463	----------	----------	----------	1,369
3	Leary	3	1,844	2,328	----------	2,686	----------	1,486
1	Little Beaver	23	----------	41,392	41,392	----------	----------	----------
2	Little Beaver East*	9	2,068	13,304	13,716	----------	----------	1,656
6	Little Wall Creek	6	3,028	27,671	27,749	----------	----------	2,950
1	Lodge Grass	1	927	719	----------	1,027	----------	619
7	Lonetree Creek	7	5,287	22,377	----------	23,347	----------	4,317
3	Lookout Butte (Coral Creek)	30	214	56,639	56,752	----------	----------	101
2	Mason Lake	2	297	525	364	----------	----------	458
2	Melstone	4	756	1,335	1,368	----------	----------	723
1	Mineral Bench	1	453	389	----------	----------	----------	842
3	Miners Coulee	3	----------	687	----------	687	----------	----------
5	Monarch	13	2,189	11,289	8,262	2,585	----------	2,631
3	Mosser	3	----------	591	----------	591	----------	----------
2	Nohly	2	984	10,969	----------	11,028	----------	925
3	Otis Creek	3	1,155	1,293	----------	1,380	----------	1,068
6	Outlook	8	6,316	23,662	23,213	----------	----------	6,765
1	Outlook South	1	306	54	----------	----------	----------	360
2	Outlook West	2	813	2,044	1,397	----------	----------	1,460
1	Pennel-Lookout Butte	109	----------	200,789	200,789	----------	----------	----------
4	Pine	112	17,032	241,850	241,916	----------	----------	16,966
62	Pondera	258	3,714	24,581	24,374	----------	----------	3,921
1	Pondera Coulee	1	----------	190	190	----------	----------	----------
4	Poplar	61	8,240	38,732	39,624	----------	----------	7,348
3	Poplar Northwest	3	1,712	1,553	1,584	----------	----------	1,681
---	Prairie Elk	----------	474	----------	----------	----------	----------	474
1	Pritchard Creek	5	167	1,399	1,399	----------	----------	167
1	Putnam	2	1,290	4,271	----------	5,319	----------	242
3	Rabbit Hills	3	1,842	6,262	----------	5,973	----------	2,131
8	Ragged Point	17	6,141	13,552	14,751	----------	----------	4,942
2	Rattlesnake Coulee	2	440	352	----------	400	----------	392
4	Raymond	4	3,767	36,957	37,837	----------	----------	2,887
3	Reagan	43	969	15,039	14,744	----------	----------	1,264
1	Red Creek	19	----------	12,597	12,597	----------	----------	----------
1	Red Fox	1	338	325	572	----------	----------	91
1	Redstone	1	234	851	858	----------	----------	227
1	Repeat	1	500	1,262	----------	1,462	----------	300
4	Reserve	4	1,140	3,481	3,785	----------	----------	836
1	Richey	1	218	483	421	----------	----------	280
1	Richey Southwest	5	618	790	----------	1,026	----------	382
1	Riprap Coulee	1	355	1,058	894	----------	----------	519
1	Rush Mountain	1	300	2,417	2,305	----------	----------	412
2	Salt Lake	3	523	3,172	----------	3,236	----------	459
3	Sand Creek	3	1,180	1,551	1,628	----------	----------	1,103
2	Second Creek	2	696	8,254	----------	8,010	----------	940
3	Sioux Pass	4	2,624	32,686	32,500	----------	----------	2,810
---	Snyder	----------	322	----------	----------	----------	----------	322
8	Soap Creek	19	2,864	3,984	----------	4,926	----------	1,922
1	Spring Lake	2	409	232	----------	----------	----------	641
3	Stensvad	7	4,663	17,921	19,789	----------	----------	2,795
20	Sumatra	91	25,411	117,347	121,569	----------	----------	21,189
5	Tule Creek	5	5,011	14,134	----------	16,602	----------	2,543
2	Tule Creek East	2	1,345	3,027	----------	3,401	----------	971
2	Tule Creek South	2	1,001	1,178	----------	1,027	----------	1,152
2	Vida	2	447	1,093	----------	1,105	----------	435
5	Volt	6	2,750	9,940	----------	10,462	----------	2,228
3	Weldon	3	1,325	4,427	4,803	----------	----------	949
1	West Butte	1	----------	668	----------	668	----------	----------
17	Whitlash	42	7,968	10,306	10,837	----------	----------	7,437
---	Whitlash West	----------	284	----------	----------	----------	----------	284
2	Willow Creek North	2	221	1,185	986	----------	----------	420
2	Wills Creek South	2	----------	2,316	2,316	----------	----------	----------
4	Winnett Junction	4	1,488	6,673	----------	6,464	----------	1,697
2	Wolf Springs	2	1,375	1,431	----------	1,559	----------	1,247
2	Woodrow	2	561	2,214	2,400	----------	----------	375
3	Wright Creek	5	2,874	762	1,170	----------	----------	2,466
---	Wildcat, Blaine Co.	----------	157	----------	----------	----------	----------	157
---	Wildcat McCone Co.	----------	87	----------	----------	----------	----------	87
2	Wildcat, Mussellshell	2	761	3,224	----------	3,037	----------	948
1	Wildcat, Richland	1	----------	8,333	----------	7,751	----------	582
---	Wildcat, Toole Co.	----------	294	----------	----------	----------	----------	294
718	TOTAL	3,127	347,688	2,855,193	2,618,169	257,435	564	326,713

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1974	34,620,182	94,850	34,617,999	94,844
1st QQuarter, 1974	8,601,572	95,573	8,580,737	95,342
2nd Quarter, 1974	8,837,787	97,119	8,818,313	96,905
July, 1974	2,855,193	92,103	2,618,169	84,457

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
March, 1974	330,336	1,397,963	1,001,634	2,729,933
June, 1974	347,688	1,287,735	1,350,781	2,986,204
July, 1974	326,713	1,201,052	1,212,761	2,740,526

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF JULY, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			616				616		
BAINVILLE—Koch Oil Company			1,534				1,534		
BEAR'S DEN—Truck			1,100				1,100		
BELL CREEK—Pipeline	38,997	770,642					463,192	307,952	38,495
BIG WALL—Continental Pipeline Co.		5,085				5,085			
BLACKFOOT—Phillips Petroleum Co.		2,037						2,037	
BORDER—Permian Corp.			810					810	
BOWES—Texaco		10,658				10,658			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			14,926					14,926	
BRUSH LAKE—Portal Pipeline Co.		12,400					12,400		
BURNS CREEK—Western Crude Oil, Inc.			1,399				1,399		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	259,623	450,740	58,465	1,047,334			1,556,459		259,703
Shell Pipeline Co.	2,859	49,929			57			50,290	2,441
	262,482	500,669	58,465	1,047,334	57		1,556,459	50,290	262,144
CANAL—Koch Oil Co.			4,334				4,334		
CAT CREEK—Continental Pipeline Co.		11,470				11,470			
CHELSEA CREEK—Western Crude Oil, Inc.			209				209		
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			836				836		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			15,473				15,473		
CUT BANK—									
Continental Pipeline Co.		425,558	7,222					432,780	
Phillips Petroleum Co.	58,293	94,574		63,709	1,550	153,529		9,466	52,031
Texas Pipeline Co.	18,137	37,826		79,608	361	110,761			24,449
Union Oil Co.	60,960	43,576			29	58,887			45,620
Western Oil Trans. Co.		33,365				33,365			
Western Oil Trans. Co. (Moulton)		124,873				124,873			
	137,390	759,772	7,222	143,317	1,940	481,415		442,246	122,100
DELPHIA—Truck			506			506			
DWYER—Portal Pipeline Co.		9,213					9,213		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline Co.		117,740				117,740			
FAIRVIEW—									
Fairview Pipeline Co.		13,335					13,335		
Koch Oil Co.			14,444				14,444		
		13,335	14,444				27,779		
FLAT COULEE—Phillips Petroleum Co.		10,835				10,835			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		61,339					61,339		
FT. GILBERT—Fairview Pipeline Co.		7,023					7,023		
FRANNIE—Interstate Pipeline Co.		660					660		
FRED AND GEORGE CREEK—Phillips Petroleum Co.	19,448	42,721			366	42,670			19,133
GAGE—Truck			165			165			
GIRARD—Koch Oil Co.			717				717		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	10,910	21,767			59			26,003	6,615
GOOSE LAKE—Portal Pipeline Co.		22,938					22,938		
HAY CREEK—Fairview Pipeline Co.		6,542					6,542		
HIAWATHA—Continental Pipeline Co.		5,270					5,270		
IVANHOE—Continental Pipeline Co.		3,395				3,395			
JIM COULEE—Continental Pipeline Co.		38,483						38,483	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		13,115				13,115			
KELLEY—Continental Pipeline Co.		3,589				3,589			
KEVIN SUNBURST—									
Big West Oil Co.	7,205	14,074				15,376			5,903
Homestake Oil & Gas Co.	1,382	2,064				2,247			1,199
Texas Pipeline Co.	11,988	7,949		3,401	(65)	12,673			10,730
Northern Montana Oil Service	143	20,179		24,605		44,906			21
	20,718	44,266		28,006	(65)	75,202			17,853
LEARY—Permian Corp.			2,686				2,686		
LODGE GRASS—Permian Corp.			1,027			1,027			
LONE TREE CREEK—Koch Oil Co.			23,347					23,347	
MASON LAKE—Continental Pipeline Co.		364				364			
MELSTONE—Continental Pipeline Co.		1,557				1,368	189		
MIDDLE WALL—Continental Pipeline Co.[2]		32,525						32,525	
MOSSER—Permian Corp.			591				591		
NOHLY—Koch Oil Co.			11,028				11,028		
OTIS CREEK—Western Crude Oil, Inc.			1,380				1,380		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		24,610						24,610	
PONDERA—Phillips Petroleum Co.	39,273	26,590			454	47,895			17,514
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	7,816	48,821			20			50,807[3]	5,810
PUTNAM—Western Crude Oil, Inc.			5,319				5,319		
RABBIT HILLS—Koch Oil Co.			5,973				5,973		
RAGGED POINT—Continental Pipeline Co.		10,895				10,895			
RAYMOND—Portal Pipeline Co.		32,168					32,168		
RED CREEK—Western Oil Transportation Co.		20,775						20,775	
RESERVE—Portal Pipeline Co.		3,785					3,785		
RIPRAP COULEE—Portal Pipeline Co.		894						894	
RUSH MOUNTAIN—Sinclair Ref. Co.		2,305					2,305		
SALT LAKE—Koch Oil Co.			3,236				3,236		
SECOND CREEK—Koch Oil Co.			8,010				8,010		
SOAP CREEK—Permian Corp.			4,926				4,926		
SUMATRA AND STENSVAD—Continental Pipeline Co.	747,434	125,373		1,994,495	2,156	128,961		2,027,241	708,944
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum, Permiam Corp.	3,267		46,868	1,854		49,545			2,444
			1,477			1,477			
	3,267		48,345	1,854		51,022			2,444
WHITLASH AND WHITLASH WEST—Phillips Petroleum Co.		10,837				10,837			
WINNETT JCT.—Truck			6,464			6,464			
WOLF SPRINGS—Permian Corp.			1,559			1,559			
WILDCAT WELLS—Truck			10,788					10,788	
TOTAL	1,287,735	2,836,463	257,435	3,215,006	4,987	1,036,237	2,280,629	3,073,734	1,201,052

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JULY, 1974

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		5,085							5,085
Cat Creek		2,768			8,609				11,377
Cut Bank	16,280					153,603		120,482	290,365
Elk Basin		46,686		35,418	35,636				117,740
Flat Coulee								10,835	10,835
Fred & George Creek	42,670								42,670
Ivanhoe		3,395							3,395
Keg Coulee		9,255		1,460	2,400				13,115
Kelley				3,589					3,589
Kevin Sunburst	75,202								75,202
Lodge Grass		1,027							1,027
Mason Lake		364							364
Melstone					1,368				1,368
Pondera						27,515			27,515
Ragged Point		12,441							12,441
Richey, Southwest							2,126		2,126
Sumatra & Stensvad		34,815		28,874	75,146				138,835
Tule Creek & Others							38,003		38,003
Whitlash						22,217			22,217
Winnett Jct.					6,464				6,464
Wolf Springs				1,559					1,559
Volt							10,463		10,463
TOTAL Montana Oil	134,152	115,836		70,900	129,623	203,335	50,592	131,317	835,755
Canadian Oil Imported		442,496		493,521	463,151		1,854		1,401,022
Wyoming Oil Imported		811,708		922,149	427,777				2,161,634
TOTAL Montana, Canadian & Wyoming Oil	134,152	1,370,040		1486,570	1,020,551	203,335	52,446	131,317	4,398,411

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,636
July, 1973	28,469	49,971	42,082	120,522
July, 1974	26,960	45,194	69,730	141,884

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1973	19.02%	31.13%	49.85%
July, 1973	23.62%	41.46%	34.92%
July, 1974	19.00%	31.85%	49.15%